

REMARKS

By separate Letter to the Official Draftsperson, attached, 21 formal drawing sheets of FIGS. 1-17 are now provided. Original FIG. 2 has been divided into four quadrants (see new FIG. 2) comprising FIGS. 2A to 2D for purposes of greater clarity. Corresponding amendments are made to the written specification, as set out above, and no new matter has been introduced. For the convenience of the Examiner, a marked-up version of the specification, captioned "Version With Markings to Show Present Amendment", is attached.

A favorable action is respectfully solicited.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Leo Zucker", is written over a horizontal line.

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Attachments

Attorney File: GRIFFETH 1-2-10-3

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicants: N. D. Griffeth, et al

Application No.: 09/495,036

Filed: January 31, 2000

For: GENERATION OF TEST SUITES
FOR INTEROPERABILITY OF
REACTIVE COMMUNICATION
SYSTEMS

Art Unit: 2184

Examiner: Robert Beausoliel

TO: Box Non-Fee Amendment
Commissioner for Patents
Washington, DC 20231

**ADVANCE AMENDMENT II
Version With Markings to Show Present Amendment**

In the Specification

The paragraph at page 10, lines 6-7 has been deleted
and substituted by two new paragraphs, as follows:

[FIG 2. is a typical finite state machine (FSM)
representation of the interconnected model in FIG. 1;]

FIG. 2 is a guide showing relative positions of FIGS.
2A, 2B, 2C and 2D;

FIGS. 2A to 2D together form a typical finite state
machine (FSM) representation of the interconnected model in FIG.
1.

The paragraph beginning at page 13, line 21, has been amended as follows:

Expected system behavior is modeled in accordance with a finite state machine (FSM) 50, typical vertices (nodes) and edges of which are shown in [FIG. 2] FIGS. 2A to 2D. The FSM 50 of [FIG. 2] FIGS. 2A to 2D has 21 states (nodes) and a total of 68 transitions between the states, as defined in FIGS. 3-9. A transition from a first state to a second state is identified by locating the two ordered states on the first line of one of the 68 transitions in FIGS. 3-9. Ideally, all possible execution sequences or "scenarios" should be covered. Because the transition diagram of the FSM 50 is a directed graph, covering all possible execution sequences requires that all branches and all possible paths be tested. Criteria for ruling out "redundant" scenarios are given further below, however.